

BuildingWorld Powered its AI Design Platform with AceCloud GPU Cloud

Custom NVIDIA GPU infrastructure and on-demand scaling for real-time AI rendering workloads

Key Outcomes

<2 Weeks

POC to live environment

Weeks
Minutes

Reduced Infra provisioning

No GPU Waitlist

RTX 6000 Pro deployed on demand

300 TB

Object storage for AI workloads

Customer Background

Industry: AI/ML (Construction-Tech Marketplace) | **Location:** Salem, Tamil Nadu, India
| **Use Case:** GPU Cloud for AI Rendering & LLM Training

BuildingWorld.ai required customized NVIDIA GPU infrastructure that could run its Docker-based AI workloads seamlessly alongside its existing AWS-hosted architecture.

Use Case

- **Technology-driven Marketplace for Homeowners and Builders**

Helps homeowners, builders, architects, contractors, dealers and brands discover, compare and procure materials digitally.

- **3D-home Design Rendering Workflows**

Is building an AI-powered real estate design platform for processing thousands of images and 3D home-design rendering workflows.

Challenges

- 🚩 **Reliability Gaps with Previous Provider**

Repeated downtime during critical production windows created direct customer impact and eroded internal confidence in the platform.

- 🚩 **Rigid GPU Offerings**

Most GPU clouds offered only standard configurations and couldn't support BuildingWorld's containerized, Docker-based deployment architecture.



Consistent GPU performance and a team that genuinely understands AI workloads

-BuildingWorld.ai Leader

Solutions (After AceCloud)

AceCloud delivered a custom GPU cloud environment built for real-time AI rendering, model training and scalable deployment.

✓ **Custom NVIDIA GPU Configuration**
Instant RTX 6000 Pro GPU servers, optimized for image processing and 3D rendering.

✓ **High-Capacity Object Storage**
300 TB of object storage configured for AI training data and rendering assets.

✓ **Container-Ready Compute at Scale**
32 compute instances (200 vCPUs), Docker-ready and seamlessly interoperable with existing AWS infrastructure.

✓ **Dedicated Human Support**
A named account manager who understands AI workloads. Real answers, not a ticket queue.

Impact Highlight

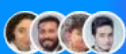


<2 Weeks

POC to Production Confidence

BuildingWorld.ai gained stable, on-demand GPU infrastructure that shortened training cycles and removed scaling anxiety.

AceCloud is a cloud infrastructure provider under RTDS Group, delivering secure and scalable cloud solutions to global businesses. Backed by 600+ experts, 20,000+ customers and 10+ data centers, AceCloud helps organizations build reliable, compliant and performance-ready IT environments.



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